LINN

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# UNIDISK 2.1 PLAYER

## Owner's Manual

# Important Safety Information

Explanation of symbols used in this manual and on the product:

This symbol is intended to alert the user to the presence of uninsulated dangerous voltages within the enclosure of sufficient magnitude to cause electric shock.

This symbol is intended to alert the user to the presence of important operation, maintenance and servicing information in the instruction and service manuals.

## CAUTION

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE THE COVER.

NO USER SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

REPLACE THE MAINS FUSE IN THE PLUG WITH ONE OF THE SAME TYPE AND RATING.

DISCONNECT SUPPLY CORD BEFORE CHANGING FUSE.

## WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

SHOCK HAZARD. DO NOT OPEN.

## MAINS PLUGS

This appliance is supplied with a non-rewireable mains plug for the intended country.

Replacement mains leads can be obtained from your Linn retailer. Should you need to change the plug please dispose of it carefully. A plug with bared conductors is dangerous if engaged in a live socket.

The Brown wire must be connected to the Live (Line) supply pin.
The Blue wire must be connected to the Neutral supply pin.
The Green/Yellow wire must be connected to the Earth (Ground) supply pin.

Please contact your retailer or a competent electrician if you are in any doubt.

## GENERAL SAFETY INSTRUCTIONS

1. **Read instructions.** Read the safety and operating instructions before operating the appliance.
2. **Retain instructions.** Retain the safety and operating instructions for future reference.
3. **Heed warnings.** Observe all warnings on the appliance and in the operating instructions.
4. **Follow instructions.** Follow all operating and use instructions.
5. **Water and moisture.** Do not use the appliance near water, for example near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool and the like.
6. **Carts and stands.** Use only with a cart or stand that is recommended by the manufacturer.

6a. An appliance and cart combination should be used with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

7. **Wall or ceiling mounting.** Mount to a wall or ceiling only as recommended by the manufacturer.
8. **Ventilation.** Site the appliance so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or placed in a built-in installation such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. **Heat.** Site the appliance away from heat sources such as radiators, heaters, stoves, or other appliances (including amplifiers) that produce heat.
10. **Power sources.** Connect the appliance to a power supply only of the type described in the operating instructions or marked on the appliance.
11. **Grounding or polarisation.** Do not defeat the safety purpose of the polarised or grounding type plug. A polarised plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
12. **Power cord protection.** Route power cords so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, power sockets, and at the point where they exit from the appliance.
13. **Cleaning.** The product should be cleaned only as recommended by the manufacturer.
14. **Power lines.** An outdoor antenna should be located away from power lines.
15. **Outdoor antenna grounding.** If an outdoor antenna is connected to the tuner/receiver, ensure that the antenna system is grounded to provide some protection against voltage surges and static build up. In the USA see article 810 of the National Electrical Code ANSI/NFPA 70 concerning installation requirements.
16. **Lightning storms.** Unplug this apparatus during lightning storms or when unused for long periods of time.

17 **Objects and liquid entry.** Do not let objects or liquids fall into the product. Do not expose the product to dripping or splashing. Do not place a vessel containing liquid on top of the product.

18. **Damage requiring service.** The product should be serviced by qualified personnel if:
    a) The power cord or plug has been damaged.
    b) Objects or liquid have fallen into the product.
    c) The product has been exposed to rain.
    d) The product does not appear to operate normally or exhibits a marked change in operation.
    e) The product has been dropped or the enclosure damaged.
19. **Servicing.** Do not attempt to service the product beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

## UK USERS PLEASE READ THIS IMPORTANT SAFETY INFORMATION

### Fuse replacement

This appliance is fitted with a non-rewireable 13 Amp mains plug. The plug contains a 5 Amp fuse. If the fuse has blown it can be replaced as follows:

a) Pull out the red fuse cover/carrier.

b) Remove and dispose of the blown fuse.

c) Fit a new 5 Amp BS1362 approved fuse into the carrier and push the carrier back into the plug.

Always ensure the fuse cover is fitted. If the fuse cover is missing do not use the plug. Contact your Linn retailer to obtain a replacement fuse cover.

Fuses are for fire protection and do not protect against electric shock.

### Mains plug replacement

Should your mains plug need replacing and you are competent to do this proceed as follows. If you are in doubt contact your Linn retailer or a competent electrician.

a) Disconnect the plug from the mains supply.

b) Cut off the plug and dispose of it safely. A plug with bared conductors is dangerous if engaged in a live socket.

c) Only fit a 13 Amp BS1363A approved plug with a 5 Amp fuse.

d) The cable wire colours or a letter will be marked at the connection points of most quality plugs.

Attach the wires securely to their respective points. The Brown wire must go to the Live pin, the Blue wire must go to the Neutral pin, and the Green/Yellow wire must go to the Earth pin.

e) Before replacing the plug top ensure that the cable restraint is holding the outer sheath of the cable firmly and that the wires are correctly connected.

### WARNING

THIS APPLIANCE MUST BE EARTHED.

## CE Declaration of Conformity

Linn Products Ltd declare that this product is in conformance with the Low Voltage Directive 73/23/EEC and Electromagnetic Compatibility 89/336/EEC as amended by 92/31/EEC and 93/68/EEC.

The conformity of the designated product with the provisions of Directive number 73/23/EEC (LVD) is proved by full compliance with the following standards:

| Standard number | Date of issue | Test type |
|---|---|---|
| EN60065 | 1998 | General requirements<br>Marking<br>Hazardous radiation<br>Heating under normal conditions<br>Shock hazards under normal operating conditions<br>Insulation requirements<br>Fault conditions<br>Mechanical strength<br>Parts connected to the mains supply<br>Components<br>Terminal devices<br>External flexible cords<br>Electrical connections and mechanical fixings<br>Protection against electric shock<br>Stability and mechanical hazards<br>Resistance to fire |

The conformity of the designated product with the provisions of Directive number 89/336/EEC (EMC) is proved by full compliance with the following standards:

| Standard number | Date of issue | Test type |
|---|---|---|
| EN55013 | 2001 | Conducted emissions |
| EN55013 | 2001 | Absorbed emissions |
| EN55020 | 2002 | Immunity |

## FCC notice

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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# Connecting

This chapter explains how to install your UNIDISK 2.1 and how to connect it to an audio preamplifier, display devices, etc.

Note:
In this manual, 'display device' refers to plasma screens, projection TVs, monitors and televisions.

## Unpacking

The UNIDISK 2.1 is supplied with the following accessories:

- luminescent handset with booklet
- 2 x RO3 (AAA) batteries for the handset
- mains lead
- 1 pair of black interconnect cables
- this manual

We recommend that you retain all packaging in case you need to transport the UNIDISK 2.1 at a later date.

## Voltage selection

The UNIDISK 2.1 contains an automatic internal mains voltage switch. This switch operates on all worldwide mains voltages from 100V to 240V. Manual adjustment on the product for setting the input mains voltage is not possible.

This unit must be earthed. Use the earthed moulded mains lead supplied. Never use an unearthed plug or adaptor.

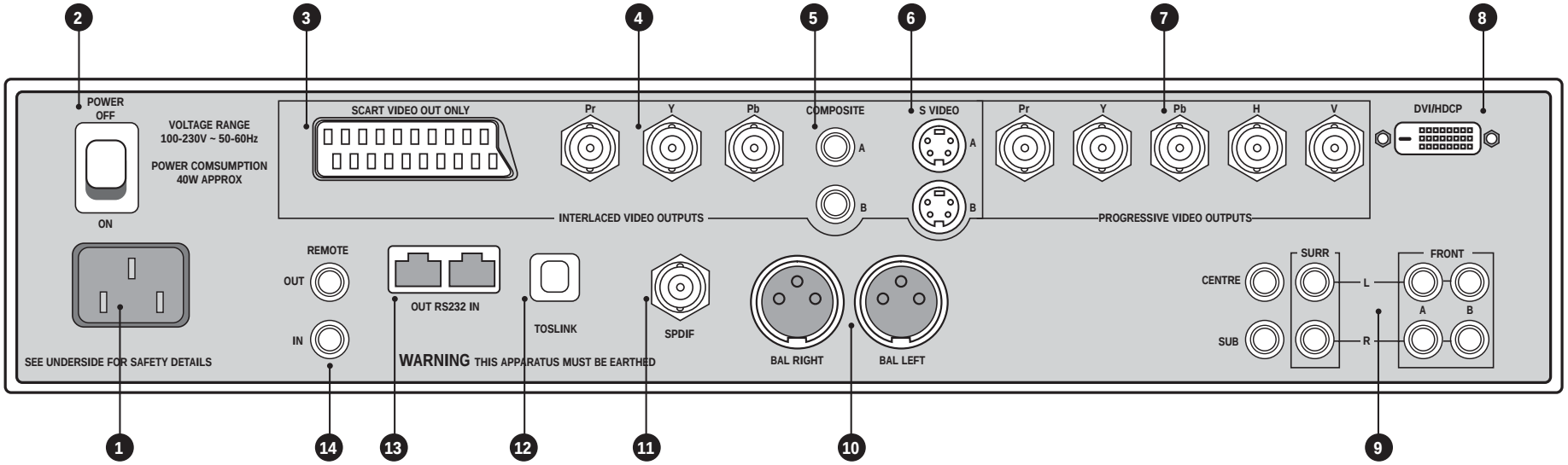
## Positioning

You can position your UNIDISK 2.1 almost anywhere you find convenient, but please consider the following points:

- Allow at least 10 cm of space to the sides, rear and above the UNIDISK 2.1 for air circulation.
- You should have no problems operating the UNIDISK 2.1 with the handset wherever it is placed in a room, provided you keep your UNIDISK 2.1 out of direct sunlight.

Important:
Do not open the UNIDISK 2.1 's disc drawer if the unit is behind glass doors as this can damage the drawer's mechanism.

## Back panel




1. **Mains input**
2. **Power switch**
3. **SCART VIDEO OUT** For connection to the SCART socket on a display device. This connection only carries Component video. S-video and audio signals are never carried on the SCART.
4. **YPrPb** For connection to a display device that accepts an interlaced YPrPb signal.
5. **Composite** For connection to a display device that accepts a composite signal.
6. **S-VIDEO** For connection to a display device that accepts an S-video signal.
7. **YPrPbHV*** For connection to a display device that accepts a progressive video signal.
8. **DVI/HDCP** For connection to a display device with a DVI/HDCP digital input.
9. **Line output connectors** Line outputs for connection to a preamplifier.
10. **BAL RIGHT / LEFT** Balanced XLR outputs.
11. **SPDIF** For connection to a device with coaxial digital input capabilities.
12. **TOSLINK** For connection to a device with optical digital input capabilities.
13. **RS232 OUT / IN** For operating the unit via a PC or touch-screen device.
14. **REMOTE OUT / IN** For installing the unit in a KNEKT system.

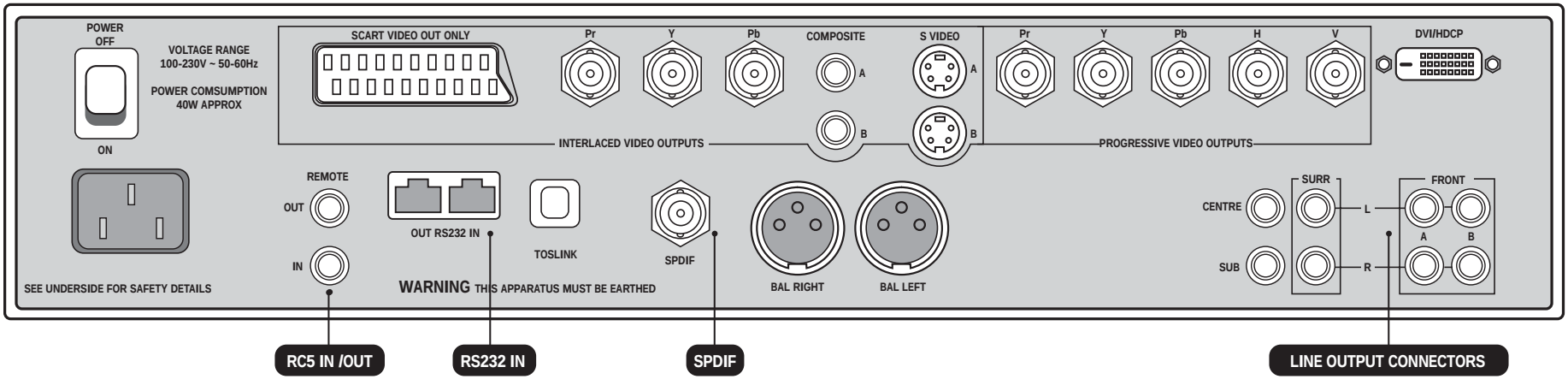
* Due to current regulations the H and V sync outputs are not functional.

Note:
Audio signals from SACDs and DVD-Audio discs are output as analogue only. There is no output for these disc types from the digital connectors.

The UNIDISK 2.1 should be powered down then disconnected from the power supply before connecting or disconnecting any of the plugs on the back panel. If this is not done you may generate surges which could damage the UNIDISK 2.1 or other components in your AV system.

# Connecting the UNIDISK 2.1 to a Linn System Controller*

The connections indicated below should be used to connect the UNIDISK 2.1 to the corresponding connections on a Linn System Controller.




## Video connections

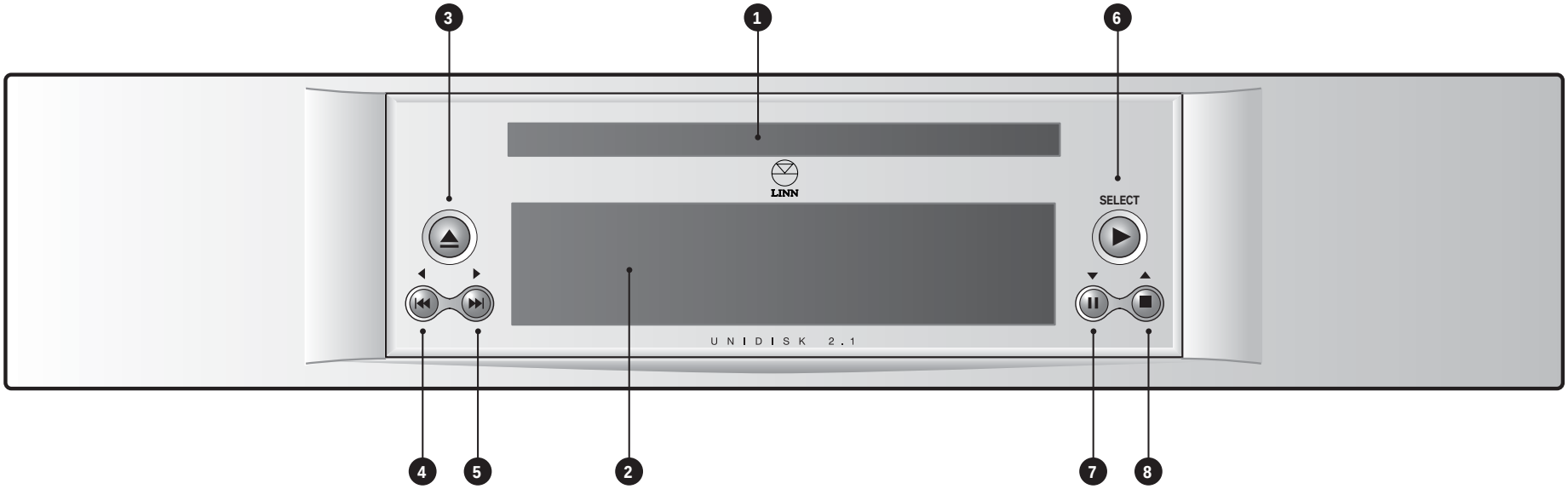
The correct video output connections to use are governed by the type of video inputs on your display device. For example, if you want to use the YPrPb inputs on your display device, you must connect the YPrPb outputs on your UNIDISK 2.1 to the YPrPb inputs on the Linn System Controller, and the YPrPb outputs on the Linn System Controller to your display device's inputs.

In addition to making the correct connections, certain setup menu and user option settings must be made. These are detailed in the *Setup Menus* and *User Options* chapters.

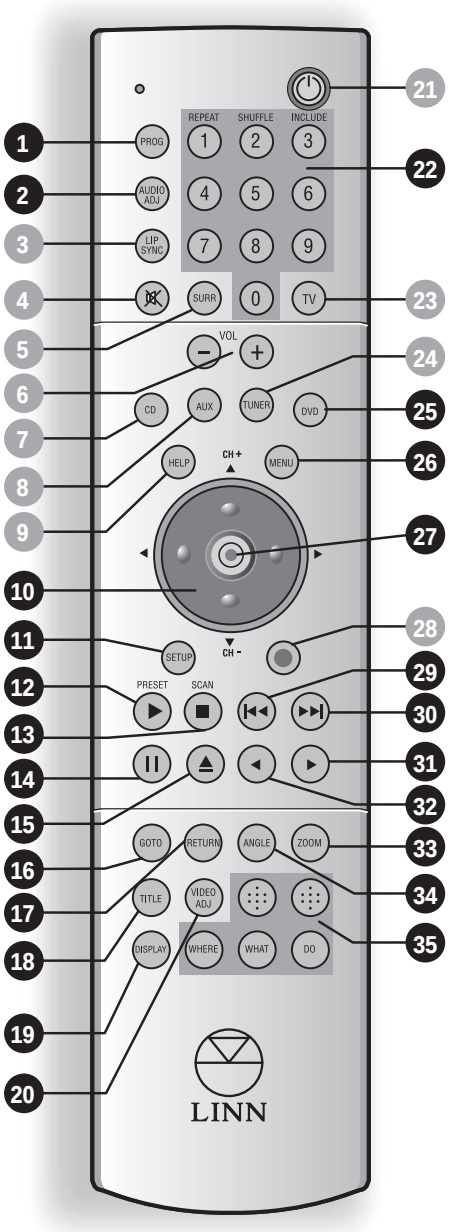
*Excluding the Linn 5103.

# Front Panel and Handset

## Front panel




1. **Disc drawer**
2. **Front panel display**
3. ⏏ Opens/closes the disc drawer.
4. ⏮, ◁ Skips/searches backwards, navigates left in a menu.
5. ⏭, ▷ Skips/searches forwards, navigates right in a menu.
6. ▶, **SELECT** Starts playback, selects an item in a menu.
7. ⏸, ▽ Pauses playback, navigates down in a menu.
8. ■, △ Stops playback, navigates up in a menu.




## Handset

1. **PROG (program)** Allows access to REPEAT (digit 1), SHUFFLE (digit 2) and INCLUDE (digit 3) functions.
2. **AUDIO ADJ (adjust)** Cycles through available audio streams on a disc.
3. LIP SYNC
4. 🔇
5. SURR
6. VOL - / +
7. CD
8. AUX
9. HELP
10. ▲ ▼ ◀ ▶ / CH +, CH - For navigating on-screen menus and adjusting settings.
11. **SETUP** Enters/exits on-screen setup menus.
12. ▶ / PRESET Plays a disc.
13. ■ / SCAN Stops a disc.
14. ⏸ Pauses a disc.
15. ⏏ Opens/closes the disc drawer.
16. **GOTO** For jumping to a particular title, chapter, track or time.
17. **RETURN** For navigating certain discs and for use in playing data discs.
18. **TITLE** For accessing disc menus or subtitles.
19. **DISPLAY** Changes the time display on the front panel when playing discs.
20. **VIDEO ADJ (adjust)** Selects video format; either PAL, NTSC or Native (automatic).
21. ⏻
22. **Digits 0-9 / REPEAT, SHUFFLE, INCLUDE** Numeric keys / program functions.
23. TV
24. TUNER
25. **DVD** For selecting Disc mode.
26. **MENU** Enters menus on discs.
27. **'enter'** Executes certain commands.
28. ◉
29. ⏮ Previous chapter/track and fast search backwards.
30. ⏭ Next chapter/track and fast search forwards.
31. ▶ Fast scan forwards.
32. ◀ Fast scan backwards.
33. **ZOOM** Magnifies screen image.
34. **ANGLE** Selects available viewing angles on DVD-Videos.
35. **KNEKT functions** Used if the unit is installed in a KNEKT system.

Greyed keys do not function with the UNIDISK 2.1

## Handset modes

Pressing a source key (DVD, CD, TUNER or AUX) on the handset will put the handset into the mode of that source. The function of the handset keys varies for the different sources, so you may find that occasionally when using the handset the UNIDISK 2.1 does not respond as expected. This is because the handset and the unit are set to different sources. To correct this, simply press the DVD key on the handset.

**A note for users of Linn 5103 System Controllers and 5101 Learning Handsets**

If you have connected the UNIDISK 2.1 to your 5103 System Controller and wish to operate both via your 5101 Learning Handset, assign the UNIDISK 2.1 as an auxiliary source (not as the DVD source) and then teach the 5101 the relevant UNIDISK 2.1 commands.

# Video Output

In order to set up your UNIDISK 2.1, you must first ensure that the unit is outputting the correct video type for your display device.

**To do this:**

- Press **VIDEO ADJ** (adjust) on the handset. The current setting for the output video type is shown on the front panel display. To change the video type, press **VIDEO ADJ** again.

After a few seconds the type shown will disa88(w14.6(y)84.2cf.)  TJ-0.48 Tf18 0 0 18 57.0244 0 70.222 Tm0 g0 TTw(V)TjS.699 0 50D-0.0004 Tc8(againe0.383 09636-0.0001 Tc0.029

# Setup Menus

**To access the setup menus:**

Ensure your display device is on and tuned to the UNIDISK 2.1's video output signal.

- Press **SETUP** on the handset. Your display device screen shows the Setup Menu – Main Page.

Note:
The setup menus can be accessed when a disc is playing in the unit, unless the disc is a DVD-Audio.

**To navigate the setup menus and make a selection:**

- Use the ▲/▼/◀/▶ keys on the front panel or handset to move around the menus.
- Press **'enter'** on the handset or **SELECT** on the front panel to select an option.

Example:
If you wanted to change the language used for displaying a DVD-Video menu, you would follow these steps:

- From the Setup Menu – Main Page use the ▼ key on the front panel or handset to move to the Preferences option.
- Press **'enter'** on the front panel or **SELECT** on the handset. The Preferences Page sub-menu is displayed.
- Use the ▼ key to move to the Disc Menu option. The language options are displayed.
- Use the ▶ key to move to the first language option.
- Use the ▼ key to move to the desired language. Press **'enter'** or **SELECT** to select the highlighted option.

**To exit from the setup menus:**

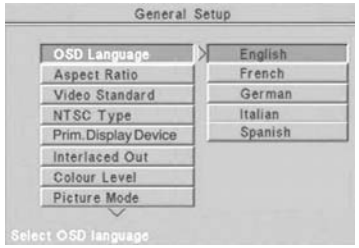
- Press **SETUP** on the handset.

  or
- Use the ▼ key on the front panel or handset to highlight the Main Page option at the bottom of each sub-menu list.
- Press **'enter'** to return to the Setup Menu – Main Page.
- Use the ▼ key to highlight the Exit Setup option. Press **'enter'**.

Some changes made in the setup menus will be implemented immediately. Others will be implemented after exiting setup.

# General Setup

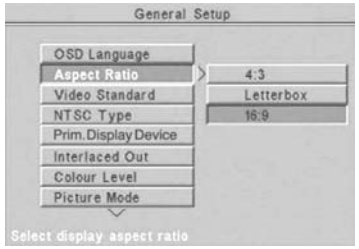
## OSD Language (on-screen display language)




Default setting: **English**

Choose the language you want on-screen information and menus displayed in.

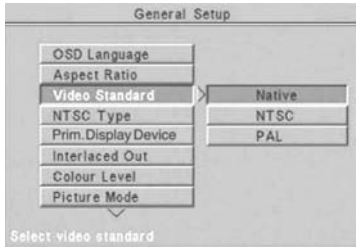
## Aspect Ratio




Default setting: **16:9**

Choose the option that matches your display device; either **4:3**, **Letterbox** or **16:9**.

## Video Standard



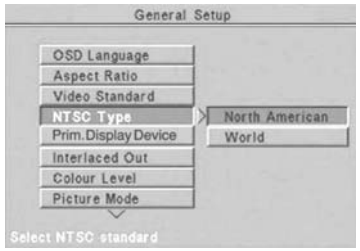

Default setting: **Native**

Choose the option that matches the video signal standard accepted by your display device. Set to **Native** if your display device accepts both NTSC and PAL standards.

Notes:
If TV Type is set to **Native** you may notice the screen flicker when a DVD-Video begins to play. This happens when the UNIDISK 2.1 switches from one video signal standard to the other.

If your display device only accepts one type of standard, you may not be able to view DVD-Videos on the UNIDISK 2.1 that have been recorded in the other standard.

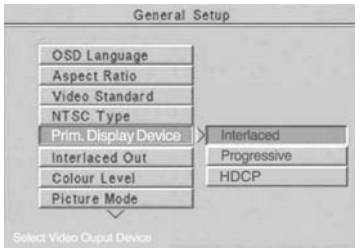
## NTSC Type




For countries that use the NTSC signal standard.
Default setting: **North American**

If in the U.S.A. or Canada, set to **North American**.
If not in the U.S.A. or Canada, set to **World**.

## Prim. (Primary) Display Device

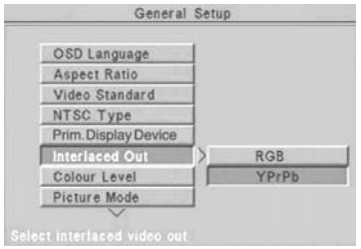



Default setting: **Interlaced**

The UNIDISK 2.1 is able to account for the video delay inherent in the processing required for progressive video signals, thus ensuring both video and audio signals are output simultaneously. Set this option to suit the main display device in your AV system.

Note:
If you wish to use the UNIDISK 2.1's HDCP output, your display device must be HDCP compatible. No picture will be available on a display device that has a DVI input but is not HDCP compatible.

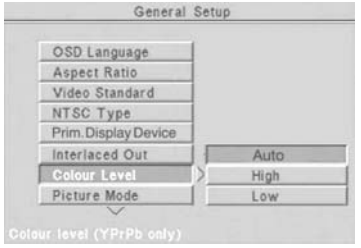
## Interlaced Out




Default setting: **YPrPb**

If your display device accepts an RGB input then you must use the SCART output on the UNIDISK 2.1 and Interlaced Out must be set to **RGB**. In this situation there is no YPrPb output.
If your display device accepts a YPrPb input then you can use either the SCART or YPrPb outputs on the UNIDISK 2.1. In this case, set to **YPrPb**.

## Colour Level



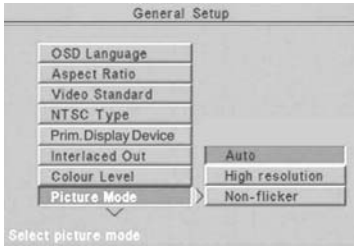

This option is only for use if the YPrPb interlaced outputs on the UNIDISK 2.1 are used.
Default setting: **Auto**

The Colour Level option adjusts the amount of colour information sent to your display device.
If you want the UNIDISK 2.1 to determine the setting based on the video format of the disc being played, set to **Auto**.
If your display device accepts a 1V peak-to-peak input, set to **High**.
If your display device accepts a 0.7V peak-to-peak input, set to **Low**.

## Picture Mode

Default setting: **Auto**

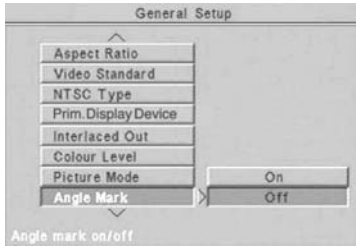
Due to the process of converting movies shot on film into the digital format recorded onto DVD-Videos, flickering of images can occur on a display device. The UNIDISK 2.1 offers two methods of eliminating this effect: **High resolution** and **Non-flicker**.
As the correct method is dependent on each DVD-Video, we suggest you choose the **Auto** setting which allows the UNIDISK 2.1 to select the best method for each disc.




## Angle Mark

Default setting: **Off**

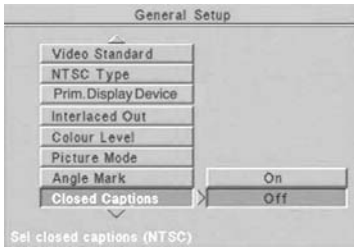
If set to **On**, the symbol appears on the display device to inform you when a multi-angle portion of a DVD-Video is being played. The number of available camera angles is displayed next to the symbol.




## Closed Captions

Default setting: **Off**

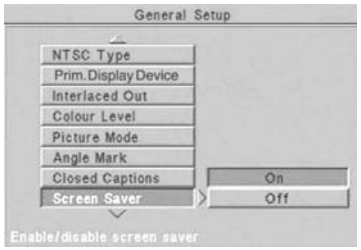
Set to **On** to view Closed Captions (for the deaf and hard-of-hearing) that might be available on a DVD-Video.




## Screen Saver

Default setting: **On**

If an image is paused on your display device for too long, damage to the screen can result. Setting to **On** enables a screen saver (a blank screen) after three minutes.
Press **'enter'** to remove the screen saver.



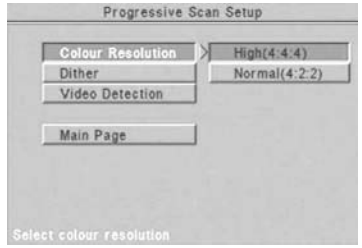

# Progressive Scan Setup

These options are only for use if the progressive outputs on the UNIDISK 2.1 are used.

## Colour Resolution

Default setting: **High (4:4:4)**

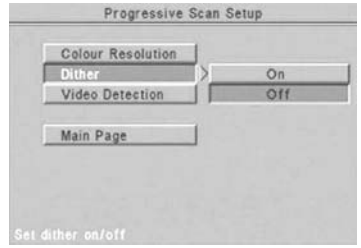
Setting to **High (4:4:4)** adds processing to the video signal which improves colour detail.
Setting to **Normal (4:2:2)** does not add processing.




## Dither

Default setting: **Off**

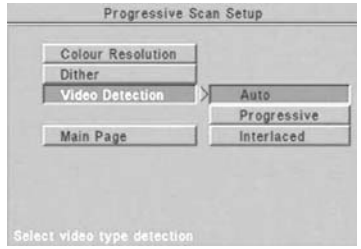
On display devices with limited colour depth (e.g. LCD panels) bands of colour shade rather than smooth transitions in colour shade may be seen.
Setting to **On**, reduces such colour banding.




## Video Detection

Default setting: **Auto**

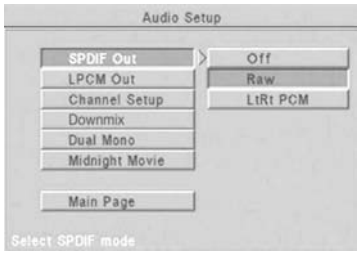
The setting for this option is dependent on the method that was used to record the original video source material. If you want the UNIDISK 2.1 to determine the setting based on the information contained on the disc being played, set to **Auto**.
The unit functions best when set to **Auto** and should be left on that setting unless the picture on your display device appears jagged.
If the source material was recorded on film (e.g. most movies), set to **Progressive**.
If the source material was recorded on video tape (e.g. most television programmes), set to **Interlaced**.




Note:
You may sometimes find that when set to **Auto** the screen image flickers. In this case choose whichever of the other two settings provides the best picture.

# Audio Setup

## SPDIF Out (Digital outputs only)




Default setting: **Raw**

If you are not using the UNIDISK 2.1's digital audio outputs, set to **Off**.
If any of the UNIDISK 2.1's digital outputs are connected to a Linn System Controller, other external audio decoder or other device, set to **Raw**.
If you are recording to an external digital source (e.g. DAT player), set to **LtRt PCM**.

## LPCM Out (Digital outputs only)

Default setting: **LPCM 96K**

If any of the UNIDISK 2.1's digital outputs are connected to a Linn System Controller, or any other device which accepts a sampling rate of 96 kHz, set to **LPCM 96K**.
If the external device does not accept a sampling rate of 96 kHz, set to **LPCM 48K**.

Notes:
Even when set to **LPCM 96K** some discs will only output at the lower rate of 48 kHz.

Audio signals from SACDs and DVD-Audio discs are output as analogue only. There is no output for these disc types from the digital connectors.

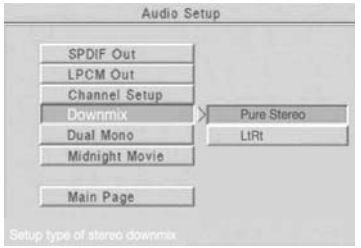
## Channel Setup (Analogue outputs only)

Default setting: **5.1 channel**

If the UNIDISK 2.1 is being used in a two channel system, set to **2 channel**. (In such a system 5.1 channel material on SACDs and DVD-Audios will be downmixed to 2 channels.)
If the UNIDISK 2.1 is connected to a Linn System Controller, or is being used in any other system that has more than two channels, set to **5.1 channel**.

Note:
Regardless of the setting Dolby Surround and DTS material is always downmixed to two channels.

## Downmix (Analogue outputs only)




Default setting: **Pure Stereo**

If you are going to apply Dolby Pro Logic decoding to the audio signal, set to **LtRt**.
If you are not going to apply Dolby Pro Logic decoding to the audio signal, set to **Pure Stereo**.

## Dual Mono (Analogue and digital outputs)

This option is for DVD-Videos which have separate audio tracks for the left and right channels.

Default setting: **Stereo**

To hear only the left channel, set to **L-mono**.
To hear only the right channel, set to **R-mono**.
To combine the discrete left and right channels, set to **Mix-mono**.
For normal use (i.e. most discs), set to **Stereo**.

## Midnight Movie (Analogue and digital outputs)

Default setting: **Off**

This option allows you to add compression to the Dolby Digital audio signal on DVD-Videos. Adding compression reduces sudden increases in volume, such as the sound of an explosion.
To add compression, set to **On**.

# Preferences

## Audio*

Default setting: **English**

Set to your preferred audio language.

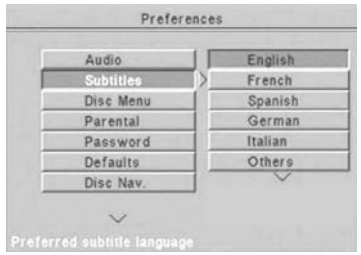
For languages other than the ones shown, highlight Others and press **'enter'**. Using the digit keys on the handset, enter the four-digit code for the desired language. Language codes are available at www.linn.co.uk

## Subtitles*

Default setting: **English**

Set to your preferred subtitle language. Certain DVD-Videos will play subtitles even if this option is set to **Off**. If this happens, subtitles can be removed by pressing and holding **TITLE**.

For languages other than the ones shown, highlight Others and press **'enter'**. Using the digit keys on the handset, enter the four-digit code for the desired language. Language codes are available at www.linn.co.uk

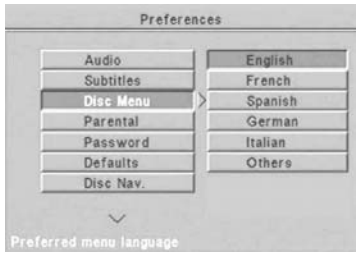



## Disc Menu*

Default setting: **English**

Set to your preferred DVD-Video menu language. This option is only effective for DVD-Videos which contain a multi-language disc menu.

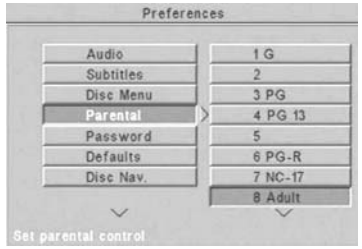
For languages other than the ones shown, highlight Others and press **'enter'**. Using the digit keys on the handset, enter the four-digit code for the desired language.
Language codes are available at www.linn.co.uk




* Regardless of the language selected, languages available when watching a DVD are dependent on the disc being played.

## Parental

Default setting: **No Parental**




This menu allows you to program the UNIDISK 2.1 with an age restriction level for certain DVD-Videos.**

**To set or change parental control:**

- Highlight the desired age restriction level and press **'enter'**. The password verify page appears.
- Key in a four-digit password using the number keys on the handset (the factory-set password is 3308).
- When prompted on screen press **'enter'**.
- Exit setup to implement change.

**If a DVD-Video does not contain the correct information, the parental control feature will not function.

## Password

Default password: **3308**

**To set or change your four-digit password:**

- Highlight Change and press **'enter'**. The password change page appears.
- Key in your old password using the number keys on the handset.
- Key in your new password, then confirm your new password.
- When prompted on screen press **'enter'**. Your new password will now be implemented.

## Defaults

To configure the setup menus to the original factory settings, highlight Reset and press **'enter'**.

## Disc Nav. (navigation)

Default setting: **Menu on**

See *Additional file formats* in the *Playing Discs* chapter.

# Playing Discs

This chapter describes how to play discs on the UNIDISK 2.1 and explains various features and user functions.

## First of all*

1. Turn on your display device and tune it to the UNIDISK 2.1's video output signal.
2. Mute any audio output from your display device.
3. Press **DVD** on the handset. This puts the handset into Disc mode. The handset must be in Disc mode if you want to use it for operating your UNIDISK 2.1.

*If listening to an audio disc, ignore steps 1 and 2.

Notes:
Due to variations in functionality on the various disc formats, features mentioned in this section may not be available on certain discs.

When viewing discs, if you enter a command using the front panel or handset you may see a ✋ symbol appear on your display device. The symbol means the command is not allowed or that you must wait for the current title/chapter to finish before entering the command.

## Front panel symbols

Key to symbols shown on the front panel display:

- ▶ Play
- ⏸ Pause
- ■ Stop
- ⏭ Skip to next chapter/track
- ⏮ Skip to previous chapter/track
- ⏩ Fast search forwards
- ⏪ Fast search backwards
- ▶| Slow search forwards
- |◀ Slow search backwards
- ⏩ Fast scan forwards
- ⏪ Fast scan backwards
- ▶| Slow scan forwards
- |◀ Slow scan backwards
- ⟲ Repeat

## Displayed disc information

The front panel display and your display device show information relating to the current disc.

Repeated presses of **DISPLAY** on the handset changes the information shown, in the following sequence:

| |
|---|
| Chapter/track elapsed |
| Chapter/track remaining |
| Title/disc elapsed |
| Title/disc remaining |
| Track name (SACDs only) |

If you wish to remove the time display, repeatedly press **DISPLAY** until it is not shown.

Additional disc information is displayed on the front panel display to the left and right of the time information:

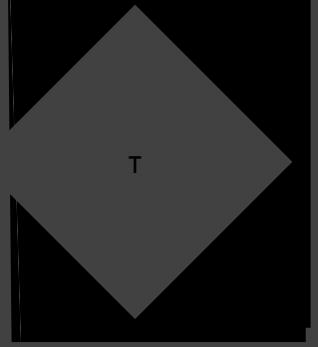
| **DVD-Video DVD-Audio** | |
|---|---|
| Left of time display | Current title number |
| Right of time display | Current chapter number |
| **CD SACD** | |
| Left of time display | Total number of tracks |
| Right of time display | Current track number |

**A note on SACDs**
SACDs show disc and track information on your display device. The amount of information shown varies from disc to disc.

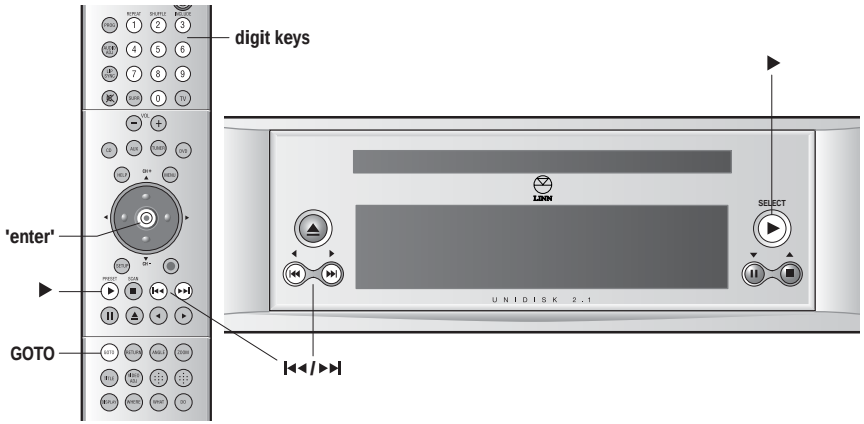
**Icons used in this chapter**

| Icon | Means |
|---|---|
| DVD | The function is for use with DVD-Video, DVD-Audio, DVD-R, DVD-RW, DVD+R and DVD+RW discs |
| CD | The function is for use with CD, SACD, CD-R and CD-RW discs |
| VCD | The function is for use with Video CD and Super VCD discs |

Features or instructions specific to a particular disc format are specified.


T

## Locating titles/chapters/tracks on a disc




## Direct title/chapter selection

DVD

**To directly access a title/chapter on a disc while the menu page is showing:**

- Press **GOTO** on the handset. On your display device the digits showing the current title are highlighted.
- Enter the number of the title to be selected using the digit keys.
- Press **'enter'**.

**To directly access a title on a disc while a disc is playing:**

- Press **GOTO** on the handset. On your display device the digits showing the current title are highlighted.
- Enter the number of the title to be selected using the digit keys.
- Press **'enter'**.

## Next and previous chapter/track selection

DVD CD VCD

**To skip forwards or backwards through the chapters/tracks of a disc:**

- To skip forwards, repeatedly press ⏭ on the front panel or handset.
- To skip backwards, repeatedly press ⏮.

## Direct chapter/track selection

DVD

**To directly access a specific chapter on a DVD-Video or DVD-Audio while a chapter/track is playing:**

- Press **GOTO** on the handset. On your display device the digits showing the current chapter/track are highlighted.
- Enter the number of the chapter/track to be selected using the digit keys.
- Press **'enter'**.

## Direct track selection

CD

**To play a particular track:**

- Enter the track number using the digit keys on the handset.
- Press **'enter'**, or wait for a few seconds and the track will be selected automatically.

Note:
A track cannot be selected if include program mode is active and the track is not included in the program (See *Include programme* in this chapter).

## Replay chapter/track

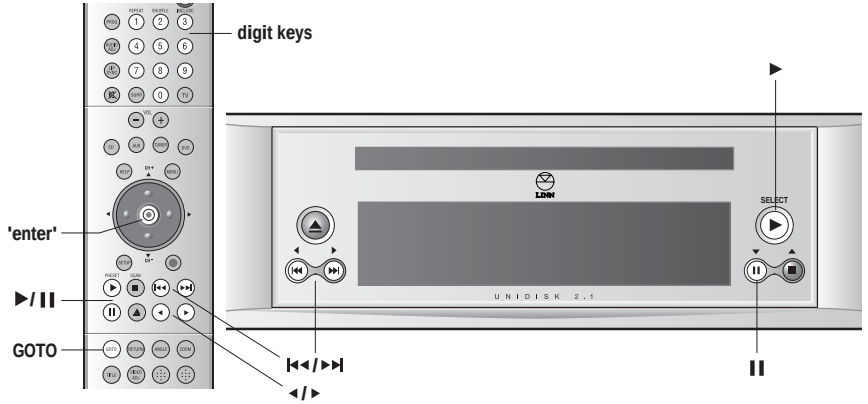
DVD CD

**To replay the current chapter/track:**

- Press ▶ on the front panel or handset.

The chapter/track will play from the beginning.

## Locating a particular point on a disc




## Fast search forwards and backwards

DVD CD VCD

**To fast search forwards or fast search backwards while a disc is playing:**

- To fast search forwards, hold ⏭ on the front panel or handset.
- To fast search backwards, hold ⏮.

## Fast scan forwards and backwards

DVD CD VCD

**To fast scan forwards or fast scan backwards while a disc is playing:**

- To fast scan forwards at 2x normal speed, press ▸ on the handset.

Further presses of ▸ increase the speed of forwards playback: 4x, 6x, 8x normal speed.

- Press ▶ to resume normal playback.
- To fast scan backwards at 2x normal speed, press ◂.

Further presses of ◂ increase the speed of reverse playback: 4x, 6x, 8x normal speed.

- Press ▶ to resume normal playback.

## Slow search forwards and backwards

**To perform forwards or reverse playback one frame at a time while a disc is playing:**

- Press ⏸ on the front panel or handset.
- To slow search forwards, repeatedly press or hold ⏭.
- To slow search backwards, repeatedly press or hold ⏮.
- Press ▶ to resume playback.

## Slow scan forwards and backwards

**To perform slow scan forwards or slow scan reverse playback while a disc is playing:**

- Press ⏸ on the handset.
- To slow scan forwards at 1/2 normal speed, press ▸.

Further presses of ▸ decrease the speed of forwards playback: 1/4, 1/8, 1/16 normal speed.

- Press ▶ to resume normal playback.
- To slow scan backwards at 1/2 normal speed, press ◂.

Further presses of ◂ decrease the speed of reverse playback: 1/4, 1/8, 1/16 normal speed.

- Press ▶ to resume normal playback.

## Direct time selection

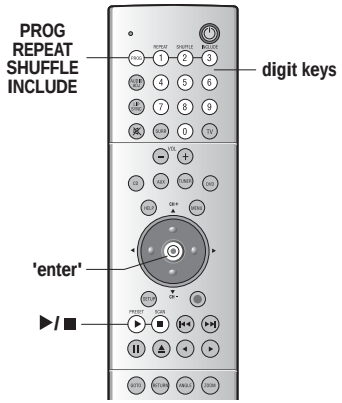
**To directly access a specific point on a DVD-Video or DVD-Audio while a chapter/track is playing:**

- Press **GOTO** on the handset. On your display device the digits showing the current chapter are highlighted.
- Press **GOTO** again.
- Enter the desired time using the digit keys. The time must be input as a six-figure number.

Example:
To access the point 1 hour 15 minutes and 32 seconds into playback, press 0, 1, 1, 5, 3, 2. The entered time is shown on the display device.

- Press **'enter'**.

## Using program modes to control playback




### Repeat disc

DVD CD

**To repeat an entire DVD-Video title, DVD-Audio group or CD:**

- While the disc is playing, press **PROG** on the handset, then press and hold **REPEAT** (‘1’ key) within two seconds.

The front panel display shows ALL.

- Release **REPEAT**.

When the title/group/disc is finished playing it will automatically play repeatedly.

**To cancel repeat disc mode:**

- While the disc is playing, press **PROG**, then press and hold **REPEAT** (‘1’ key) within two seconds.

ALL disappears from the display.

- Release **REPEAT**.

### Repeat section

DVD CD VCD

**To repeat a specific section of a disc:**

- At the start of the section you wish to repeat, press **PROG** on the handset, then press **REPEAT** briefly (‘1’ key) within two seconds. ‘A’ appears on the front panel display.
- Continue playback until you reach the end of the section to repeat.
- Press **PROG**, then **REPEAT** briefly within two seconds. ‘B’ appears on the front panel display.

After **REPEAT** has been pressed for the second time, the chosen section automatically plays repeatedly.

**To cancel repeat section mode and continue with normal playback:**

- Press **PROG**, then press **REPEAT** within two seconds.

### Shuffle program

DVD CD

Disc must be stopped before this function can be accessed.

**To shuffle the order in which tracks are played:**

- Press **PROG** on the handset, then press **SHUFFLE** (‘2’ key) within two seconds.

The front panel display shows SHF (shuffle).

- Press ▶ to start playback.

**To cancel shuffle mode:**

- Press ■ .
- Press **PROG**, then press **SHUFFLE** within two seconds.

## Include program

This program mode allows you to select which chapters/tracks you wish to listen to from those available on a disc.

Disc must be stopped before this function can be accessed.

**To select which tracks are to be played:**

1. Press **PROG** on the handset, then press **INCLUDE** ('3' key) within two seconds.

The front panel display shows P01:00 and INC (include).

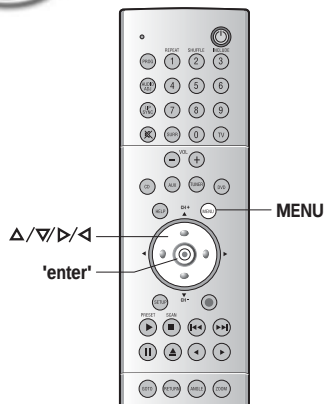
2. Use the digit keys to enter the number of the desired track.
3. Press **'enter'** to store the selection and to move to the next program step.
4. Repeat steps 2 and 3 for all tracks you wish to select.
5. Press ▶ to store the program and start playback of the selected tracks.

**To clear a stored program or cancel include program mode:**

- Press **PROG** on the handset, then press **INCLUDE** within two seconds.

Note:
Up to 99 program steps can be stored.

## Using DVD-Video and DVD-Audio menus

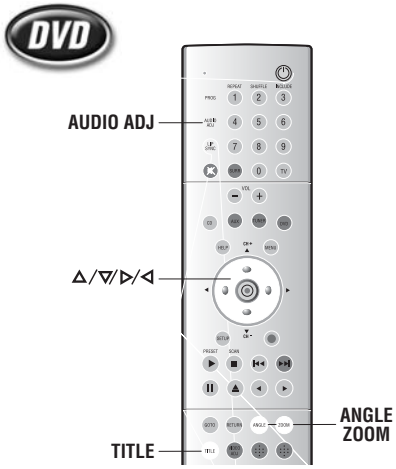



Most DVD-Video and DVD-Audio discs have one or more menus that allows you to select which part of the disc you wish to play, or feature you wish to view or alter.

**To navigate menus:**

- Press **MENU** on the handset. The menu appears on your display device screen.
- Use △/▽/◁/▷ to select the desired title/feature.
- Press **'enter'**.

## Further playback options for DVD-Videos and DVD-Audios




### Language or audio stream selection

**To cycle through the available language or audio stream options:**

- Repeatedly press **AUDIO ADJ** on the handset.

### Subtitles

**To access available subtitles on DVD-Videos:**

- Repeatedly press and hold **TITLE** on the handset.

### Angle selection

Certain DVD-Videos allow you to view the same scene from more than one viewpoint.

**To perform angle selection:**

- Press **ANGLE** on the handset.

The next available angle will be selected.

Further presses of **ANGLE** select subsequent angles.

### Zoom and pan

Zoom allows you to view a picture at different levels of magnification.
Pan allows you to move left and right or up and down across a zoomed picture.

**To perform zoom while a disc is playing or paused:**

- Press **ZOOM** on the handset.

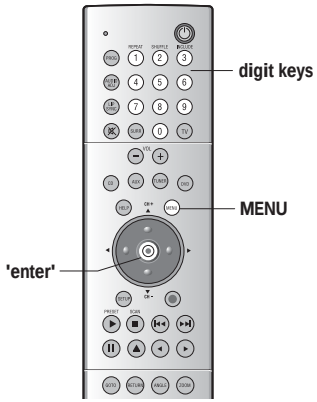
The picture changes to the next level of magnification (1.5x normal view) and ZOOM 1.5 is shown on the display device.

Further presses of **ZOOM** select greater levels of magnification: 2x, 3x normal view.
Another press of **ZOOM** returns the picture to normal view.

**To perform pan on a zoomed picture:**

- Repeatedly press or hold △/▽/◁/▷ on the handset.

## Additional information on Video CDs and Super VCDs



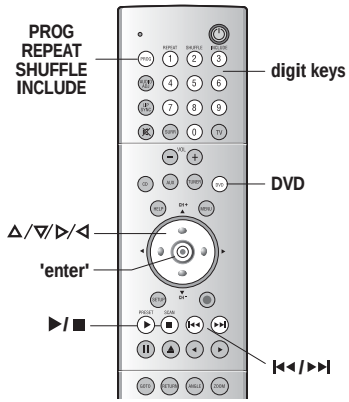

Video CDs and Super VCDs may feature PBC (Playback Control). PBC allows additional control over playback functionality. PBC can be turned on or off to suit your requirements. If PBC is on you will be able to pause the disc and skip forwards or backwards through tracks.

Additionally, with Super VCDs, a menu showing the contents of the disc will appear on your display device. To play a specific track, press the appropriate digit key then press **'enter'**.
If PBC is off, such functionality may not be available.

**To turn PBC on or off:**

- Press **MENU** on the handset.

## Additional file formats




The following file formats, if recorded on data discs, are playable/viewable on the UNIDISK 2.1: MP3, JPEG, MPEG2.

**To play/view such files:**

- Turn on your display device and tune it to the UNIDISK 2.1's video output signal.
- If the handset is not in Disc mode, press **DVD**.
- Insert the data disc into the UNIDISK 2.1. After a few seconds the Disc Navigation screen appears on your display device, which shows the folder structure of the disc.

Note:
To view the contents of the data disc, Disc Nav. in the Preferences section of the setup menus must be set to **Menu On** (see *Setup Menus* chapter).

Follow the instructions below.

- To navigate between sections, folders or items, use △/▽/◁/▷ on the handset.
- To view the contents of a folder, highlight the folder then press **'enter'**.
- To play/view an item, highlight the item then press **'enter'**.
- To skip forwards/backwards through items, press ⏭ / ⏮ .

- To fast search forwards/backwards while an MP3 or MPEG 2 file is playing, press and hold ⏭ / ⏮.
- To stop playing/viewing an item, press ■.

Note:
If Disc Nav. in the setup menus is set to **Menu Off**, a data disc inserted into the UNIDISK 2.1 will play from the first item of the first folder when you press **'enter'**. The ⏭ / ⏮ / ■ keys will function as above.

## Replay file mode

**To replay an MP3 file:**

- While the file is playing, press **PROG** on the handset, then press **REPEAT** ('1' key) within two seconds.

The front panel display shows ONE.

**To cancel replay file mode:**

- Press **PROG**, then press **REPEAT** within two seconds.

## Shuffle mode

**To shuffle the order in which files in a folder play:**

- While the first file is playing, press **PROG** on the handset, then press **SHUFFLE** ('2' key) within two seconds.

The front panel display shows SHF.

**To cancel shuffle mode:**

- Press **PROG**, then press **SHUFFLE** within two seconds.

## Include program

This mode allows you to select which files you wish to listen to/view from those available in a folder.

**To select which files are to be played:**

1. Press **PROG** on the handset, then press **INCLUDE** ('3' key) within two seconds.

The front panel display shows P01:00 and INC (include).

2. Use the digit keys to enter the number of the desired file.
3. Press **'enter'** to store the selection and to move to the next program step.
4. Repeat steps 2 and 3 for all files you wish to select.
5. Press ▶ to store the program and start playback of the selected files.

**To clear a stored program or cancel include program mode:**

- Press **PROG** on the handset, then press **INCLUDE** within two seconds.

## Table of user options

The following table shows the UNIDISK 2.1's user options, briefly describes them and lists the available settings for each. Default settings are shown in bold (and are marked with a '*' on the front panel display).

| Option | Description | Settings |
|---|---|---|
| Display brightness | Allows adjustment to the brightness of the front panel display. When set to AUTO, the unit will select a brightness level based on the ambient light level in the room (the greater the ambient light level, the brighter the display will be). | **AUTO**<br>2% to 100%<br>(non-linear) |
| Sleep display delay | Sets the number of seconds that the unit is inactive for, before the sleep display (three dots) is shown on the front panel. | **OFF**<br>0m 10s to 5m 00s<br>(in 10 sec steps) |
| Front panel IR command | If set to ACCEPTED, unit will respond to commands received via the IR receiver on the front panel. | **ACCEPTED**<br>IGNORED |
| Pass IR to REMOTE OUT | If set to ENABLED, passes commands received via the IR receiver on the front panel to REMOTE OUT. Will function even if the 'Front panel IR command' option is set to IGNORED. | **ENABLED**<br>DISABLED |
| Pass REMOTE IN to OUT | If set to ENABLED, passes RC5 commands received at REMOTE IN to REMOTE OUT. | **ENABLED**<br>DISABLED |
| RS232 baudrate | Sets the baudrate for RS232 control. | **9600**<br>4800 to 230400<br>(8 settings) |
| RS232 events | If set to ENABLED, passes information regarding the internal status of the unit to an external device that accepts RS232 data. | ENABLED<br>**DISABLED** |
| RS232 startup message | If set to ENABLED, will output an RS232 start message when the unit is switched on. | **ENABLED**<br>DISABLED |
| CD commands | If an external CD player is connected to the UNIDISK 2.1 and you want the UNIDISK 2.1 to ignore CD handset commands, set to IGNORED. | **ACCEPTED**<br>IGNORED |
| Scroll SACD text | ONCE: . i<br>ONCE: . i | **ONCE**<br>LOOP<br>NO |

# Technical Specification

| Electrical | |
|---|---|
| Mains voltage | 100-230 VAC @ 50-60 Hz |
| Power consumption | 40 W approximately |
| **Physical** | |
| Weight | 4.8 kg |
| Dimensions | 380 (W) x 360 (D) x 80 (H) mm |

## Signal Interfaces

**Interlaced video**

| Type | Connector | Level | Impedance | Notes |
|---|---|---|---|---|
| Component | SCART | **RGB + Composite** : 1 Vp-p | 75 Ω | No audio on the SCART |
| | 3 x BNC | **Y** : 1 Vp-p | 75 Ω | - |
| | | **Pr** : 1 Vp-p (switchable to 700 mVp-p) | | |
| | | **Pb** : 1 Vp-p (switchable to 700 mVp-p) | | |
| Composite | 2 x RCA | 1 Vp-p | 75 Ω | - |
| S-video | 2 x 4 pin mini-DIN | **Y** (lum) : 1 Vp-p | 75 Ω | - |
| | | **C** (chr) : 700 mVp-p | 75 Ω | - |

**Progressive scan video**

| Type | Connector | Level | Impedance | Notes |
|---|---|---|---|---|
| Component | 3 x BNC | **Y** : 1 Vp-p | 75 Ω | - |
| | | **Pr** : 1 Vp-p (switchable to 700 mVp-p) | | |
| | | **Pb** : 1 Vp-p (switchable to 700 mVp-p) | | |

## Signal Interfaces

**Analogue audio**

| Type | Connector | Level | Impedance | Notes |
|---|---|---|---|---|
| Unbalanced | 8 x RCA | 2 Vrms | 300 Ω | Front L(A), L(B), R(A), R(B) Rear L and R Centre and Sub |
| Balanced | 2 x male XLR | 4 Vrms | 600 Ω | Front L and R (pin1 gnd, pin 2 hot, pin 3 cold) |

**Digital audio**

| Type | Connector | Level | Impedance | Notes |
|---|---|---|---|---|
| SPDIF | BNC | 500 mVp-p | 75 Ω | Electrical |
| | TOSLINK | - | - | Optical |

**Data & control**

| Type | Connector | Level | Impedance | Notes |
|---|---|---|---|---|
| RS232 | 2 x RJ11 | - | - | - |
| Remote In/Out | 2 x RCA | 4 mA | - | For KNEKT use only |

# Guarantee and Service

This product is guaranteed under the conditions that apply in the country of purchase and your statutory rights are not limited. In addition to any statutory rights you may have, Linn undertake to replace any parts that have failed due to faulty manufacture. To help us, please ask your Linn retailer about the Linn warranty scheme in operation in your country.

In parts of Europe, the United States of America and some other markets, extended warranty may be available to customers who register their purchase with Linn. A warranty registration card is included with the product and should be stamped by your retailer and returned to Linn as soon as possible.

### Warning

Unauthorised servicing or dismantling of the product invalidates the manufacturers warranty. There are no user serviceable parts inside the product and all enquiries relating to product servicing should be referred to authorised retailers only.

### Technical support and information

For technical support, product queries and information, please contact either your local retailer or one of the Linn offices opposite.

Full details of your local retailer/distributor can be found on the Linn web site: www.linn.co.uk

### Important

- Please keep a copy of the sales receipt to establish the purchase date of the product.
- Please ensure that your equipment is insured by you during any transit or shipment for repair.

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